

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Kindly amend the claims as follows:

Claim 1. (Currently Amended) A VSAT terminal comprising:

- an antenna;
- a microwave power amplifier;
- a microwave low noise amplifier;
- a transmitter coupled via said microwave power amplifier to said antenna;
- a user VSAT interface; and

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a controller in communication with said user VSAT interface and in electrical connection with said microwave power amplifier and said microwave low noise amplifier for supplying power thereto, said controller being operative to provide a less-than-full electrical power supply to said microwave low noise amplifier and operative to provide a full electrical power supply to said microwave low noise amplifier in the presence of a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data, said controller being operative to maintain the less-than-full electrical power supply to said microwave low noise amplifier until the presence of the communication session, and wherein said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

Claim 2. (Original) A VSAT terminal according to claim 1 wherein said controller is responsive to operation of said user VSAT interface for providing electrical power to said microwave power amplifier.

Claim 3. (Original) A VSAT terminal according to claim 1 wherein said controller is responsive to operation of said user VSAT interface for providing electrical power to said microwave low noise amplifier.

Claim 4. (Original) A VSAT terminal according to claim 1 wherein said controller provides a less-than-full power supply to said microwave low noise amplifier and said microwave power amplifier in the absence of a communication session and wherein said controller is responsive to operation of said user VSAT interface for providing a full electrical power supply to said microwave low noise amplifier and said microwave power amplifier.

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Claim 5. (Cancelled) A VSAT terminal according to claim 1 wherein said controller provides a less-than-full power supply to said microwave power amplifier and a full power supply to said microwave low noise amplifier in the absence of a communication session and wherein said controller is responsive to operation of said user VSAT interface for providing a full electrical power supply to said microwave low noise amplifier and said microwave power amplifier.

Claim 6. (Cancelled) A VSAT terminal according to claim 1 wherein said controller provides a less-than-full power supply to said microwave power amplifier and a full supply to said microwave low noise amplifier in the absence of a communication session and wherein said controller is responsive to receipt of an incoming transmission via said microwave low noise amplifier for providing a full electrical power supply to said microwave low noise and said microwave power amplifier.

Claim 7. (Previously Cancelled) A VSAT terminal according to claim 1 wherein said controller is operative to provide a less-than-full electrical power supply to either of said amplifiers after a predetermined period of inactivity of said user VSAT interface.

Claim 8. (Previously Amended) A VSAT terminal according to claim 1 and wherein said controller is operative to provide a less-than-full electrical power supply to said one of said amplifiers after a predetermined period of inactivity of said microwave low noise amplifier.

Claim 9. (Original) A VSAT terminal according to claim 1 and wherein said controller operates in accordance with a predetermined algorithm for providing electrical power to said microwave power amplifier.

Claim 10. (Currently Amended) A VSAT telecommunication network comprising:
at least one satellite; and

a plurality of VSAT terminals in communication with said satellite, wherein at least one of said VSAT terminals comprises:

an antenna;

a microwave power amplifier;

a microwave low noise amplifier;

a transmitter coupled via said microwave power amplifier to said antenna;

a receiver coupled via said microwave low noise amplifier to said antenna;

a user VSAT interface; and

a controller in communication with said user VSAT interface and in electrical connection with said microwave power amplifier and said microwave low noise amplifier for supplying power thereto, said controller being operative to provide a full electrical power supply to said microwave low noise amplifier in the presence of a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data, said controller being operative to maintain the less-than-full electrical power supply to said microwave low noise amplifier until the presence of the communication session, and wherein said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

Claim 11. (Currently Amended) A method for managing power consumption in a VSAT terminal having an antenna, a microwave power amplifier, a microwave low noise amplifier, a transmitter coupled via said microwave power amplifier to said antenna, a receiver coupled [to]

via said microwave low noise amplifier to said antenna, a user VSAT interface, and a controller in communication with said user VSAT interface, said microwave low noise amplifier, and said microwave power amplifier, the method comprising:

providing a less-than-full electrical power supply to said microwave low noise amplifier after a predetermined period of inactivity of said user VSAT interface; and

providing a full [of] electrical power supply to said microwave low noise amplifier in the presence of a communication session, said communication session being initiated by the reception of data or user initiated transmission of data, wherein

DI said providing of the less-than-full electrical power supply to said microwave low noise amplifier comprises maintaining said less-than-full electrical power supply to said [one of said amplifiers] low noise amplifier until the presence of the communication session,

wherein said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

Claim 12. (Currently Amended) A method according to claim 11 wherein said providing a less-than-full electrical power supply step comprises providing a less-than-full power supply to said microwave low noise amplifier and said microwave power amplifier in the absence of a communication [system] session and wherein said providing a full electrical power supply step comprises providing a full electrical power supply to said microwave low noise amplifier and said microwave power amplifier in response to operation of said user VSAT interface.

Claim 13. (Previously Cancelled) A method according to claim 11 and further comprising providing a full power supply to said microwave power amplifier in the absence of a communication session, wherein said providing a less-than-full electrical power supply step comprises providing a less-than-full power supply to said microwave power amplifier and wherein said providing a full electrical power supply step comprises providing a full electrical power supply to said microwave power amplifier and said microwave power amplifier in response to operation of said user VSAT interface.

Claim 14. (Previously Cancelled) A method according to claim 11 and further comprising providing a full power supply to said microwave power amplifier in the absence of a communication session, wherein said providing a less-than-full electrical power supply step comprises providing a less-than-full power supply to said microwave power amplifier and wherein said providing a full electrical power supply step comprises providing a full electrical power supply to said microwave low noise amplifier and said microwave power amplifier in response to receipt of an incoming transmission via said microwave low noise amplifier.

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Claim 15. (Previously Cancelled) A method according to claim 11 and wherein said providing a less-than-full electrical power supply step comprises providing a less-than-full power supply to either of said amplifiers after a predetermined period of inactivity of said user VSAT interface.

Claim 16. (Previously Amended) A method according to claim 11 and wherein said providing a less-than-full electrical power supply step comprises providing a less-than-full power supply to said one of said amplifiers after the predetermined period of inactivity of said microwave low noise amplifier.

Claim 17. (Currently Amended) A VSAT terminal comprising:

- an antenna;

- a microwave power amplifier;

- a microwave low noise amplifier;

- a transmitter coupled via said microwave power amplifier to said antenna;

- a receiver coupled via said microwave low noise amplifier to said antenna;

- a user VSAT interface; and

- a controller in communication with said user VSAT interface and in electrical connection with said microwave power amplifier and said microwave low noise amplifier for supplying power thereto, said controller being operative to provide a less-than-full electrical power supply

to said microwave low noise amplifier after a predetermined period of inactivity of said microwave low noise amplifier and operative to provide a full electrical power supply to said microwave low noise amplifier in the presence of [the] a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data, said controller being operative to maintain the less-than-full electrical power supply to said one of said amplifiers until the presence of the communication session, and wherein said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

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Claim 18. (Currently Amended) A VSAT telecommunication network comprising:

at least one satellite; and
a plurality of VSAT terminals in communication with said satellite, wherein at least one of said VSAT terminals comprises:

an antenna;
a microwave power amplifier;
a microwave low noise amplifier;
a transmitter coupled via said microwave power amplifier to said antenna;
a receiver coupled via said microwave low noise amplifier to said antenna;
a user VSAT interface; and
a controller in communication with said user VSAT interface and in electrical connection with said microwave power amplifier and said microwave low noise amplifier support for supplying power thereto, said controller being operative to provide a less-than-full electrical power supply to said microwave low noise amplifier after a predetermined period of inactivity of said microwave low noise amplifier and operative to provide a full electrical power supply to said microwave low noise amplifier in the presence of [the] a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data, said controller being operative to maintain the less-than-full electrical power supply to said microwave low noise amplifier until the presence of the communication session, and wherein

said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

Claim 19. (Currently Amended) A method for managing power consumption in a VSAT terminal having an antenna, a microwave power amplifier, a microwave low noise amplifier, a transmitter coupled via said microwave power amplifier to said antenna, a receiver coupled via said microwave low noise amplifier to said antenna, a user VSAT interface, and a controller in communication with said user VSAT interface, said microwave low noise amplifier, and said microwave power amplifier, the method comprising:

providing a less-than-full electrical power supply to said microwave low noise amplifier after a predetermined period of inactivity of said microwave low noise amplifier; and

providing a full electrical power supply to said microwave low noise amplifier in the presence of the communication session, wherein

said providing of the less-than-full electrical power supply to said microwave low noise amplifier comprises maintaining said less-than-full electrical power supply to said microwave low noise amplifier until the presence of [the] a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data.

wherein said controller does not return said microwave low noise amplifier to full electrical power between communication sessions.

Claim 20 (Currently Amended) A VSAT terminal comprising:

an antenna;

an ODU transmitter coupled to said antenna;

a microwave low noise amplifier;

a user VSAT interface; and

a controller in communication with said user VSAT interface and in electrical connection with said ODU transmitter and said microwave low noise amplifier for supplying power thereto, said controller being operative to provide no power supply to one of said microwave low noise

amplifier and said ODU transmitter after a predetermined period of inactivity of said user VSAT interface and operative to provide a full electrical power supply to said one of microwave low noise amplifier and said ODU transmitter in the presence of a communication session, wherein said communication session is initiated by the reception of data or user initiated transmission of data, said controller being operative to maintain no power to said one of said microwave low noise amplifier and said ODU transmitter until the presence of the communication session, and wherein said controller does not return said one of said microwave low noise amplifier and said ODU transmitter to full electrical power between communication sessions.

① Claim 21. (Currently Amended) A method for managing power consumption in a VSAT terminal having an antenna, an ODU transmitter coupled to said antenna, a microwave low noise amplifier, a receiver coupled to said microwave low noise amplifier to said antenna, a user VSAT interface, and a controller in communication with said user VSAT interface, said microwave low noise amplifier, and said ODU transmitter, the method comprising:

providing no electrical power to one of said ODU transmitter and said microwave low noise amplifier after a predetermined period of inactivity of said user VSAT interface; and

providing a full of electrical power to said one of said ODU transmitter and said microwave low noise amplifier in the presence of a communication session, wherein said communication session is initiated by the reception of data or by user initiated transmission of data, wherein

said providing of the no electrical power to said one of said ODU transmitter and said microwave low noise amplifier comprises maintaining said no electrical power to said one of said ODU transmitter and said microwave low noise amplifier until the presence of the communication session,

wherein said controller does not return said one of said ODU transmitter and said microwave low noise amplifier to full electrical power between communication sessions.